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United States
Department of
Agriculture
Soil
Conservation
Service



Salt River
Valley
Water Users
Association



Arizona
Department of
Water
Resources

Water Supply Outlook for Arizona

Federal-State-Private
Cooperative
Snow Surveys

Original
1-1983
1-1983
1-1983



JAN. 1, 1983

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COVER PHOTO - Fresh powder snow
on Elephant Mountain, near West
Fork of Hyalite Creek, Montana



WATER SUPPLY OUTLOOK FOR ARIZONA

JANUARY 1, 1983

THE WATER SUPPLY IN ARIZONA FOR 1983 IS FORECAST TO BE AVERAGE TO ABOVE AVERAGE.

WATER SUPPLY The water supply in Arizona should be average to above average during 1983. Forecasts for the January-May period are for greater than normal discharges on most major rivers in the state. The Verde River and Salt River are forecast at 124% and 125% of average respectively. Tonto Creek is forecast at 137% of average. Combined inflow to the Salt River Project system is forecast at 782,000 acre-feet. Streamflow is expected to be 104% of average on the Gila River and 103% on the San Francisco River. The upper Little Colorado River is forecast at 96% of average.

SNOW COVER The mountain snowpack of central Arizona and west central New Mexico is much above average for January 1. Snow water equivalent is 153% of average on the upper Little Colorado River watershed, 163% of average on the Verde River, 167% on the Salt River, and 186% of average on the Gila-San Francisco drainage.

PRECIPITATION Both November and December were months of above average precipitation. High elevation stations reported precipitation for the two-month period, which averaged 240% of normal on the Verde and Gila Watersheds, 184% of normal on the Salt River, and 155% on the Upper Little Colorado River. The portion of this precipitation which fell as rain produced heavy runoff.

STREAMFLOW Discharge of major streams was near average in November except for the Verde River and Tonto Creek which were above average. The stage was set for heavy runoff in December. Inflow to the Salt River Project system in December was 342,000 acre-feet. This necessitated the release of water from dams on the Salt and Verde Rivers amounting to 97,000 acre-feet in December. These releases resulted in water flowing in the Salt River through Phoenix. Releases are expected to continue well into January. Streamflow for November and December 1982 was:

<u>Stream</u>	<u>Flow - % of Average</u>	
	<u>Nov.</u>	<u>Dec.</u>
Salt River	103	207
Tonto Creek	199	380
Verde River	132	289
Gila River at Solomon	101	220
Gila River at Virden	90	133
San Francisco at Clifton	110	190

RESERVOIR
STORAGE

The combined storage of six Salt River Project reservoirs on January 1, 1983 was 1,630,000 acre-feet which is 81% of capacity. San Carlos Reservoir has gained storage since October 1, but still is only 16% full, with 153,000 acre-feet. Lake Pleasant contains 119,000 acre-feet at 75% of capacity. Four major reservoirs on the Colorado River have a combined storage of 48,945,000 acre-feet, or 91% of capacity. Smaller reservoirs and impoundments throughout the state are increasing in water storage.

ABOUT JANUARY
STREAMFLOW FORECASTS 1, 1983

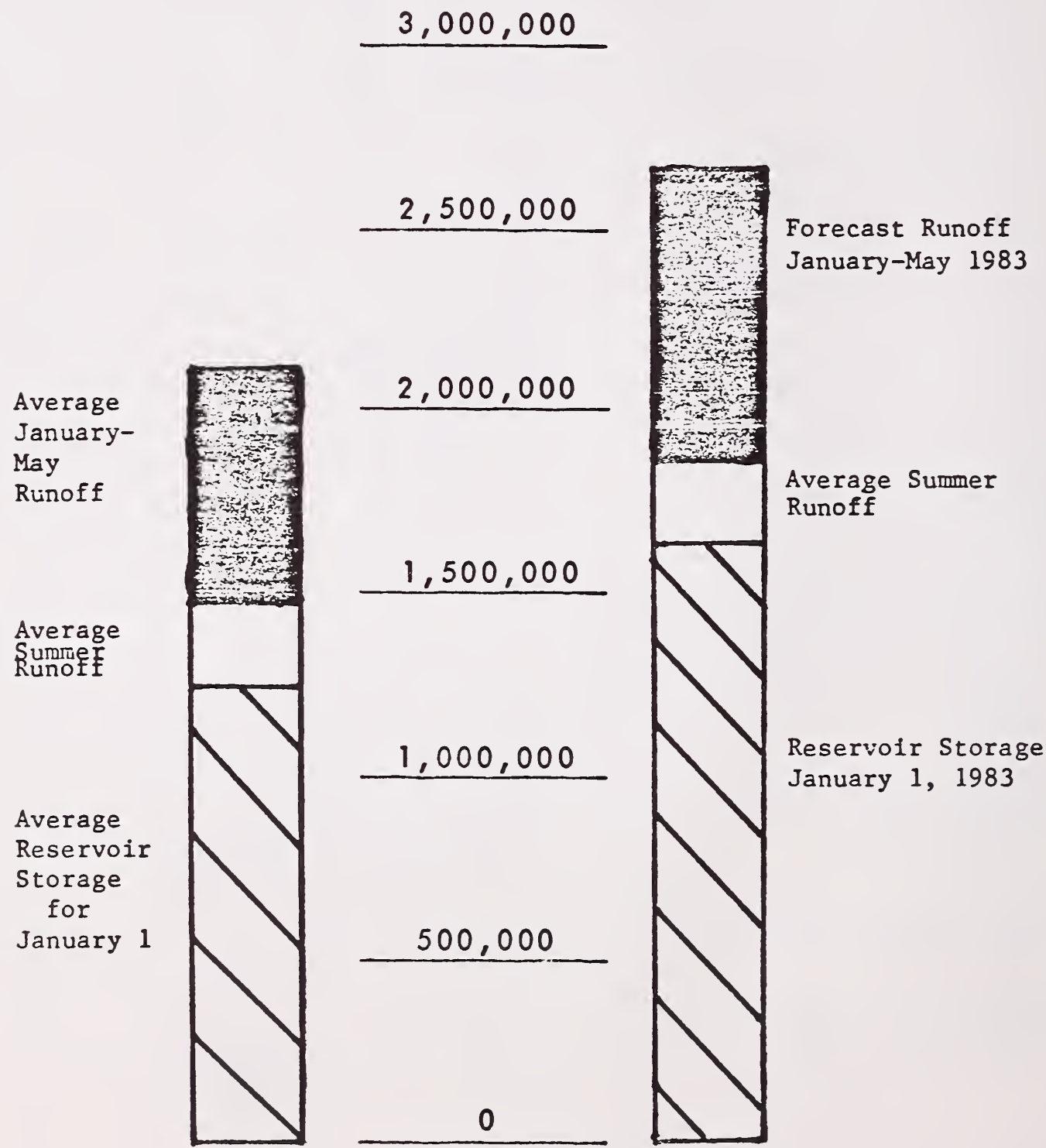
STREAMFLOW FORECASTS		1, 1983		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT		FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET		
		Thousand Acre Feet	Percent of Average		Last Year	Average †	
<u>SALT RIVER DRAINAGE</u>							
Salt near Roosevelt		430	125	Jan-May	454.7	345.0	
"		55	129	January	27.9	42.8	
Tonto Creek near Roosevelt		75	137	Jan-May	137.17	54.85	
"		12	96	January	20.72	12.51	
Verde River above Horseshoe		277	124	Jan-May	454.6	223.9	
"		40	100	January	30.7	39.9	
Total Salt River Project Streams		782	125	Jan-May	1046.5	623.8	
"		107	112	January	79.3	95.2	
<u>GILA RIVER DRAINAGE</u>							
Gila River at Calva		95	80	Jan-May	79.8	118.5	
Gila River near Gila		66	110	Jan-May	68.06	60.07	
Gila River near Solomon		162	104	Jan-May	143.07	155.9	
"		35	135	January	12.4	25.9	
Gila River near Virden		82	104	Jan-May	89.14	78.69	
Frisco River at Clifton		83	111	Jan-May	48.77	75.09	
Frisco River at Glenwood		32	94	Jan-May	18.39	33.91	
<u>LITTLE COLORADO RIVER DRAINAGE</u>							
Little Colo. River above Lyman Dam		8.5	73	Jan-June	---	11.72	
Greer		9.5	119	Jan-June	---	8.0	
<u>GRANITE CREEK DRAINAGE</u>							
Granite Creek		5.2	--	Jan-May	--	--	
Willow Creek		4.5	--	Jan-May	--	--	
<u>MIMBRES RIVER DRAINAGE</u>							
Mimbres River near Mimbres		6.6	--	Jan-May	1.72	--	
<u>COLORADO RIVER DRAINAGE</u>							
Virgin River near Littlefield		72	10	Apr-June	98.7	479	
Lake Mary Inflow		4.5	--	Jan-May	--	--	
† Based on 15-year period, 1963-77							
* Average for less than 15 years							

WATER SUPPLY INVENTORY SALT RIVER VALLEY SYSTEM

IN ACRE-FEET

AVERAGE WATER SUPPLY
ON JANUARY 1

ANTICIPATED WATER SUPPLY
ON JANUARY 1, 1983



Based on Present Storage + Forecast Spring Runoff + Average Summer Runoff

RESERVOIR STORAGE (Thousand Acre Feet) JANUARY 1, 1983

BASIN or STREAM	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>GILA RIVER DRAINAGE</u>					
Agua Fria	Lake Pleasant	157.6	118.6	58.3	69.1
Granite	Watson Lake	4.7	4.5	2.0	2.1
Granite	Willow Creek	6.1	3.6	0.9	2.5
Gila	San Carlos	935.1	152.9	243.0	216.6
Gila	Painted Rock Dam	2,492	10.5	0	---
Salt (4)	Roosevelt, Apache, Canyon & Saguaro	1,709	1,445	1,033	1,148
Verde (2)	Bartlett and Horseshoe	309.6	185.0	83.0	94.7
Salt and Verde	6 Salt River Project Reservoirs	2,019	1,630	1,116	1,243
<u>COLORADO RIVER DRAINAGE</u>					
Colorado	Lake Havasu	619.4	534.8	536.9	543.5
Colorado	Lake Mohave	1,810	1,643	1,575	1,593
Colorado	Lake Mead	26,159	24,163	22,681	17,409
Colorado	Lake Powell	25,002	22,604	20,125	11,625*
Little Colorado	Lyman	**	---	No report	14.3
Little Colorado	Show Low Lake	5.1	1.3	No report	1.5*
† Based on 15-year average, 1963-77					
* Average is for less than 15 years of record.					
** Siltation has reduced the storage capacity of Lyman Reservoir. No storage will be reported until new storage tables are completed.					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS) ABOUT JANUARY 1, 1983

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average
Gila	10	1300	186
Salt	10	1833	167
Verde	10	629	163
Little Colorado	5	578	153

SNOW ABOUT JANUARY 1, 1983

SNOW ABOUT JANUARY 1, 1983		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
GILA RIVER						
Bear Wallow	8100	N O	R E P O R T	0.0	---	
Beaver Head	8000	12/30	19	4.5	0.0	---
Coronado Trail	8400	12/30	19	4.8	0.0	2.2**
CORONADO TRAIL SNOTEL	8400	1/1	---	3.9	0.0	---
Emory Pass No. 2 *	7800	12/28	12	3.0	0.0	---
Frisco Divide	8000	12/30	14	3.2	0.0	---
FRISCO DIVIDE SNOTEL	8000	1/1	---	4.0	0.0	---
Hannagan Meadows *	9090	12/30	42	11.5	0.2	4.8**
HANNAGAN MEADOWS SNOTEL	8960	1/1	---	11.9	0.9	---
Hummingbird (A)	10550	1/3	48	10.6	0.5	---
LOOKOUT MOUNTAIN SNOTEL	8150	1/1	---	5.1	0.0	---
McKnight Cabin * (A)	9300	1/3	41	9.4	0.5	---
Mogollon	7000	N O	R E P O R T	---	---	
Nutrioso	8500	12/30	12	2.8	0.0	1.5**
Redstone Trail	8600	N O	R E P O R T	0.0	4.6**	
Rose Canyon	7300	N O	R E P O R T	0.0	---	
SIGNAL PEAK SNOTEL	8360	1/1	---	5.4	0.9	---
Silver Creek Divide	9070	N O	R E P O R T	---	---	
SILVER CREEK SNOTEL	9070	1/1	---	9.6	1.7	---
State Line	8000	12/30	15	3.3	0.0	2.0**
Whitewater (A)	10750	1/3	68	13.6	4.0	---
VERDE RIVER						
Baker Butte	7330	12/29	17	5.6	0.9	---
BAKER BUTTE SNOTEL	7330	1/1	---	7.2	1.1	---
Baker Butte #2	7700	12/29	34	11.6	4.5	---
Camp Wood	5700	N O	R E P O R T	0.0	---	
Chalender *	7100	12/30	10	1.6	1.2	1.8**
Copper Basin Divide	6720	12/30	7	1.0	0.0	---
Fort Valley	7350	12/30	16	3.4	0.0	1.2**
FRY SNOTEL	7200	1/1	---	3.5	1.0	---
Gaddes Canyon	7600	12/30	21	5.7	1.4	---
Happy Jack	7630	12/29	16	4.8	0.0	2.7**
Iron Springs *	6200	12/30	5	0.6	0.0	---
Mingus Mountain	7100	12/30	7	1.2	0.0	---
Mormon Lake *	7350	12/30	17	3.8	0.3	3.0**
Mormon Mountain	7500	12/30	23	5.9	0.6	3.6**
MORMOM MOUNTAIN SNOTEL	7500	1/1	---	6.2	0.0	---
Mormon Mtn. Summit #2	8470	NOT SCHEDULED			---	---
Newman Park	6750	12/30	6	1.5	0.0	---
Snow Bowl #1	10260	12/30	42	11.0	2.1	---
Snow Bowl #2	11000	12/30	61	15.6	3.8	---
SUGAR LOAF SNOTEL	6120	N O	R E P O R T	0.0	---	
White Horse Lake Jct.	7180	12/30	17	3.1	0.5	2.0**
WHITE HORSE SNOTEL	7180	1/1	---	6.7	0.5	---
White Spar	6000	12/30	6	0.9	0.0	---
† 1963-77 15-year period. (*) Adjacent drainage. (**) 1963-77 Adjusted Average. (A) Aerial observation: water content estimated. Snotel data is edited.						

SNOW ABOUT JANUARY 1, 1983

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
SALT RIVER						
Baldy *	9220	12/28	30	7.2	1.0	---
BALDY SNOTEL	9220	1/1	---	8.3	1.4	---
Beaver Head	8000	12/30	19	4.5	0.0	---
BONITA ROCK SNOTEL	8270	1/1	---	8.2	0.6	---
Canyon Creek	7500	12/29	12	3.7	0.3	---
Canyon Point	7600	12/29	13	4.1	0.2	---
Coronado Trail	8400	12/30	19	4.8	0.0	2.2*
CORONADO TRAIL SNOTEL	8400	1/1	---	3.9	0.0	---
Forest Dale	6430	1/3	2	0.2	0.0	1.3*
Ft. Apache	9160	12/28	29	7.1	1.4	4.3*
Hannagan Meadows	9090	12/30	42	11.5	0.2	4.8*
HANNAGAN MEADOWS SNOTEL	8960	1/1	---	11.9	0.9	---
Hawley Lake	8250	1/3	19	4.9	0.8	4.0*
HAWLEY LAKE SNOTEL	8250	1/1	---	5.2	1.0	---
Heber	7640	12/29	13	3.9	0.4	---
HEBER SNOTEL	7640	1/1	---	3.4	1.0	---
Maverick Fork	9050	12/28	37	10.3	0.0	4.6*
MAVERICK FORK SNOTEL	9200	1/1	---	10.5	0.0	---
McNary	7225	1/3	6	1.3	0.0	---
MCNARY SNOTEL	7225	1/3	---	0.5	0.0	---
Milk Ranch	7000	1/3	2	0.3	0.0	---
Mt. Ord (A)	11000	NOT SCHEDULED			---	---
Nutrioso *	8500	12/30	12	2.8	0.0	1.5*
Promontory Butte	7900	12/29	---	11.9E	3.3	---
PROMONTORY SNOTEL	7900	N O R E P O R T			---	---
Smith Cienega (A)	9850	NOT SCHEDULED			---	---
Sunrise Summit	10600	N O R E P O R T			1.5E	---
Wilson Lake	9000	12/29	31	7.6	1.9	5.0*
Workman Creek	6900	N O R E P O R T			---	4.5*
WORKMAN CREEK SNOTEL	6900	1/1	---	3.8	0.0	---
LOWER COLORADO RIVER						
Bill Williams Intermediate	8550	N O R E P O R T			2.0	---
Bill Williams Summit	8950	N O R E P O R T			2.4	---
Chalender *	7100	12/30	10	1.6	1.2	1.8*
Fort Valley	7350	12/30	16	3.4	0.0	1.2*
Grand Canyon	7500	12/30	8	1.7	0.4	---
Williams Ski Run	7720	12/30	29	6.4	2.5	---
Bright Angel	8400	12/30	38	10.2	0.9	---

† 1963-77 15-year period. (*) Adjacent drainage. (**) 1963-77 Adjusted Average. (A) Aerial observation: water content estimated. Snotel data is edited. (E) Estimated.

SNOW ABOUT JANUARY 1, 1983

SNOW ABOUT JANUARY 1, 1983		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>LITTLE COLORADO RIVER</u>						
Baldy	9220	12/28	30	7.2	1.0	---
BALDY SNOTEL	9220	1/1	---	8.3	1.4	---
Canyon Creek	7500	12/29	12	3.7	0.3	---
Canyon Point	7600	12/29	13	4.1	0.2	---
Cheese Springs	8600	12/29	19	3.8	0.8	---
Forest Dale	6430	1/3	2	0.2	0.0	1.3**
Ft. Apache	9160	12/28	29	7.1	1.4	4.3**
Fort Valley	7350	12/30	16	3.4	0.0	1.2**
Happy Jack	7630	12/29	16	4.8	0.0	2.7**
Heber	7640	12/29	13	3.9	0.4	---
HEBER SNOTEL	7640	1/1	---	3.4	1.0	---
Lake Mary	6970	12/30	12	3.1	0.3	---
McNary	7225	1/3	6	1.3	0.0	---
MCNARY SNOTEL	7225	1/3	---	0.5	0.0	---
Mormon Lake	7350	12/30	17	3.8	0.3	3.0**
Mormon Mountain	7500	12/30	23	5.9	0.6	3.6**
MORMON MOUNTAIN SNOTEL	7500	1/1	---	6.2	0.0	---
Mormon Mountain Summit #2	8470	NOT SCHEDULED			---	---
Nutriosos *	8500	12/30	12	2.8	0.0	1.5**
Promontory Butte	7900	12/29	---	11.9E	3.3	---
PROMONTORY SNOTEL	7900	N O R E P O R T			---	---
Snow Bowl #1	10260	12/30	42	11.0	2.1	---
Snow Bowl #2	11000	12/30	61	15.6	3.8	---
Wilson Lake	9000	12/29	31	7.6	1.9	5.0**

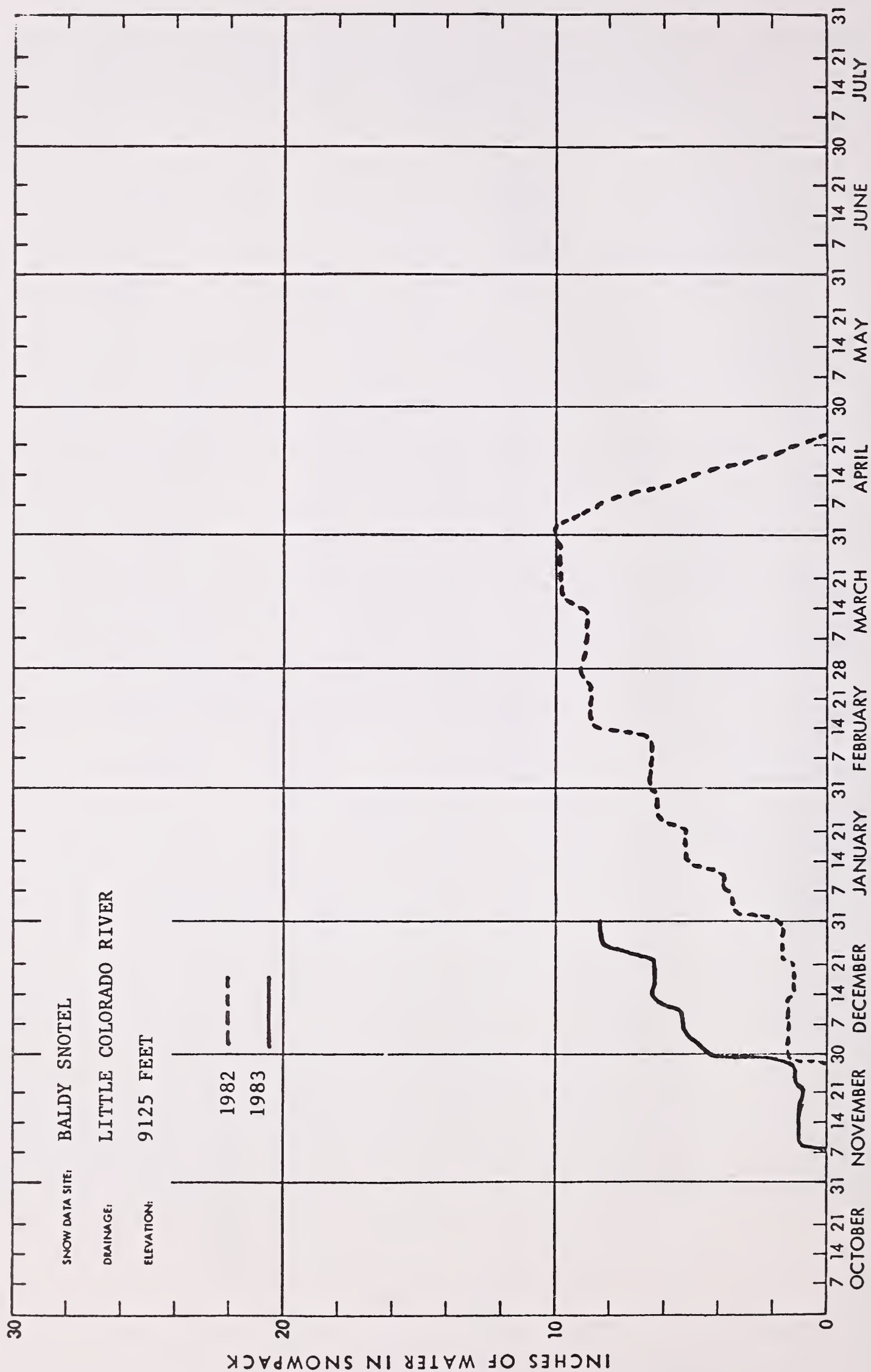
† 1963-77 15-year period. (*) Adjacent drainage. (**) 1963-77 Adjusted Average. (A) Aerial observation: water content estimated. Snotel data is edited.

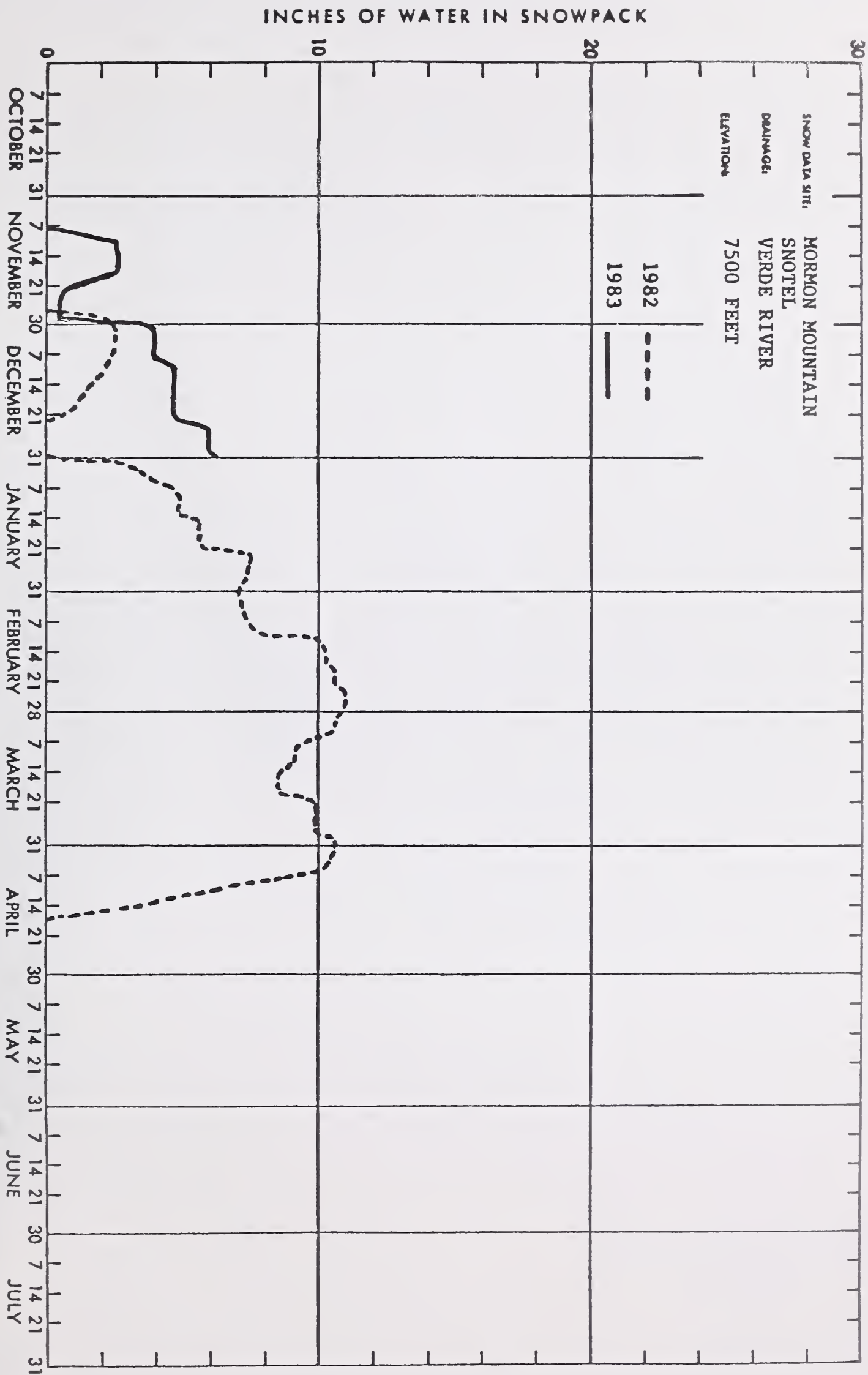
PRECIPITATION (Inches) ABOUT JANUARY 1, 1983

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. NOV. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>GILA RIVER</u>							
Silver Creek Divide	9000	No report		4.50	---	6.19	---
Hannagan Meadows **	9030	No report		3.46	---	5.06	---
Frisco Divide **	8000	12/30	1.90	1.60*	6.75	2.30*	293
<u>SALT RIVER</u>							
Canyon Point	7600	12/29	7.00	4.63*	15.55	7.17*	217
Hannagan Meadows **	9030	No report		3.46	---	5.06	---
Little Wildcat (Heber Snow Course)	7600	12/29	4.72	4.09	12.40	6.37	195
Maverick Fork	9050	1/4	3.44	3.29	11.02	5.33	207
Workman Creek **	6970	No report		4.09	---	6.88	---
Wilson Lake	9100	12/29	2.60	3.07	5.80	5.02	116
<u>VERDE RIVER</u>							
Baker Butte	7300	12/29	9.78	4.54	16.24	6.82	238
Copper Basin Divide	6720	12/30	3.17	3.06	9.16	5.05	181
Fort Valley **	7350	12/30	3.11	2.31	8.06	3.78	213
Happy Jack **	7480	12/29	7.17	3.09	12.86	4.89	263
Mingus Mountain	7660	12/30	---	1.76	12.67	3.67	345
Mormon Mountain	7500	No report		4.67	---	7.55	---
White Horse Lake Jct.**	7150	No report		3.00	---	4.90	---
<u>LITTLE COLORADO</u>							
Greer Lakes	8500	1/14	1.35	1.90	3.73	2.98	125
Little Wildcat (Heber Snow Course)	7600	12/29	4.72	4.09	12.40	6.37	195
Sheep Crossing (Baldy Snow Course)	9125	1/4	1.01	3.05	7.08	4.91	144
1963-77 Average							
* Adjusted Average							
**Data Supplied by U.S. Forest Service							

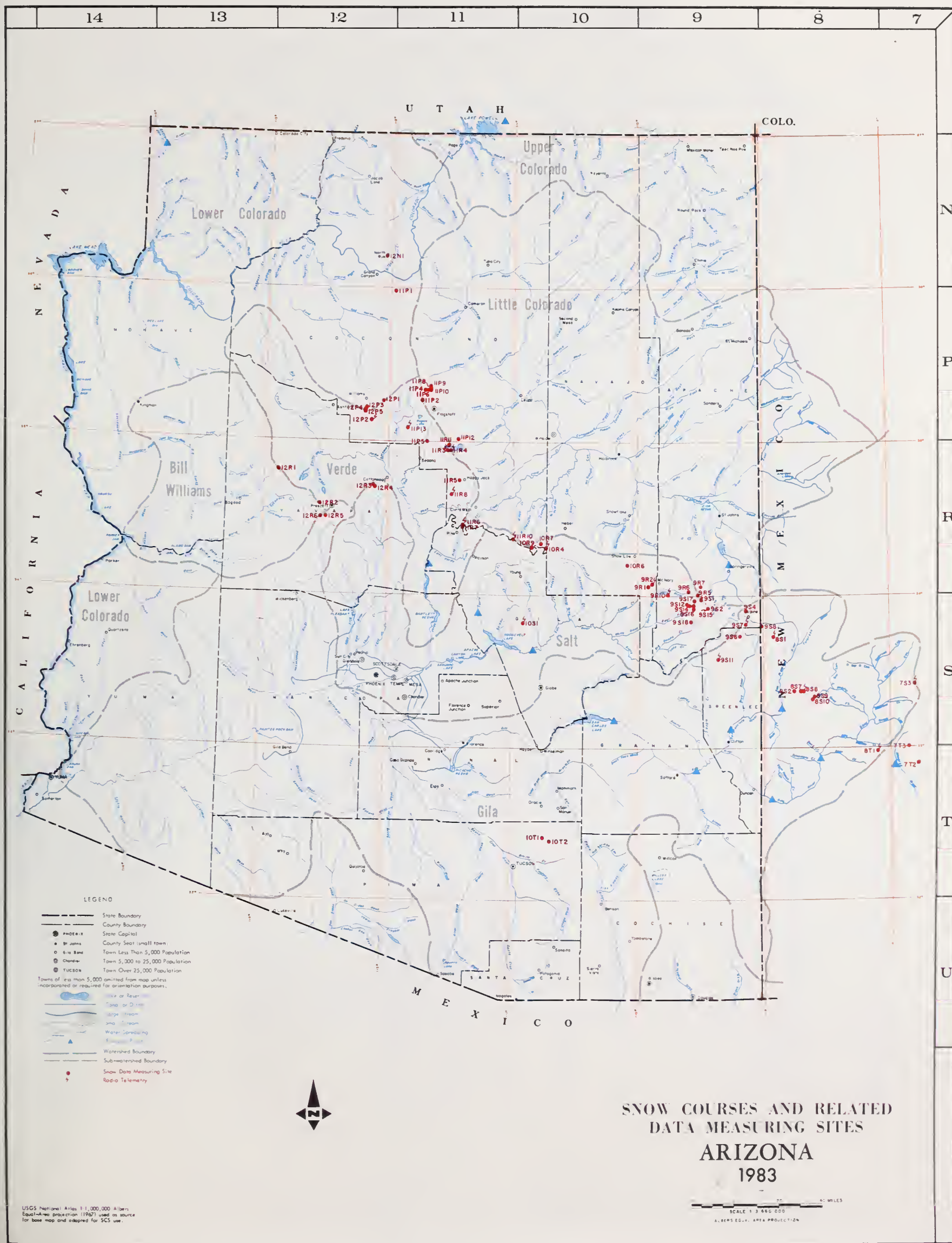
PRECIPITATION (Inches) ABOUT JANUARY 1, 1983 (SNOTEL SITES)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. NOV. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<u>GILA RIVER</u>							
Coronado Trail	8400	1/1	3.9	---	7.0	---	---
Hannagan Meadows	8960	1/1	5.3	---	12.0	---	---
Frisco Divide	8000	1/1	2.6	---	6.7	---	---
Silver Creek Divide	9000	1/1	4.5	---	11.8	---	---
Lookout Mountain	8150	---	---	---	---	---	---
Signal Peak	8360	1/1	4.7	---	8.2	---	---
<u>SALT RIVER</u>							
Promontory	7930	---	---	---	---	---	---
Heber	7640	1/1	5.5	---	14.6	---	---
Hawley Lake	8250	1/1	4.2	---	12.5	---	---
McNary	7200	1/1	3.5	---	11.9	---	---
Bonita Rock	8270	1/1	4.9	---	12.8	---	---
Hannagan Meadows	8960	1/1	5.3	---	12.0	---	---
Maverick Fork	9050	1/1	4.2	---	11.1	---	---
Coronado Trail	8400	1/1	3.9	---	7.0	---	---
Workman Creek	6900	1/1	7.6	---	20.0	---	---
<u>VERDE RIVER</u>							
White Horse Lake	7180	1/1	5.1	---	11.8	---	---
Fry	7200	1/1	4.9	---	13.9	---	---
Mormon Mountain	7500	1/1	5.6	---	14.8	---	---
Sugar Loaf	6120	---	---	---	---	---	---
Baker Butte	7300	1/1	7.6	---	17.0	---	---
<u>LITTLE COLORADO</u>							
Baldy	9125	1/1	3.7	---	8.2	---	---
McNary	7200	1/1	3.5	---	11.9	---	---
Heber	7640	1/1	5.5	---	14.6	---	---
Promontory	7930	---	---	---	---	---	---
Snotel data edited.							









INDEX TO SNOW COURSES

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	DRAINAGE	OBSERVER	RECORD BEGAN
11P10A	Agassiz	32	23N	7E	11200	Little Colorado	SCS-CF*	1968
11R6PSPRT	Baker Butte	4	12N	9E	7300	Verde	SCS	1966
11R7	Baker Butte #2	9	12N	9E	7700	Verde	SCS	1971
9S1APSPRT	Baldy	28	7N	27E	9125	Little Colorado	SCS	1950
9S15	Baldy #2	12	6N	26E	9750	Little Colorado	SCS	1963
9S16	Baldy #3	13	6N	26E	10950	Little Colorado	SCS	1963
10T1	Bear Wallow	6	12S	16E	8100	Gila	FS	1948
9S6	Beaver Head	13	4N	30E	8000	San Francisco	FS	1938
12P5	Bill William Intermediate	17	21N	2E	8550	Cataract	FS	1967
12P4	Bill Williams Summit	17	21N	2E	8950	Verde	FS	1967
9S18PSPRT	Bonito Rock		5N	26E	8270	Salt	SCS	1979
12N1	Bright Angel	34	33N	3E	8400	Bright Angel Creek	NPS	1947
12R1	Camp Wood	3	16N	6W	5700	Verde	FS	1946
10R7	Canyon Creek #2	18	11N	15E	7500	Little Colorado	SCS	1958
10R9P	Canyon Point	28	11N	14E	7600	Salt	SCS	1967
12P1	Chalender	27	22N	3E	7100	Verde	FS	1947
9R7	Cheese Springs	28	8N	27E	8600	Little Colorado	SCS	1969
12R6P	Copper Basin Divide	23	13N	3W	6720	Verde	SCS	1963
9S7PSPRT	Coronado Trail	26	5N	30E	8000	San Francisco	FS	1938
7T2	Emory Pass #2	16	16S	9W**	7800	Mimbres	SCS	1967
11P13PSPRT	Fry	35	20N	5E	7220	Verde	SCS	1978
10R6	Forest Dale	2	9N	21E	6430	Salt	BIA	1939
9R5	Ft. Apache	18	7N	27E	9160	Little Colorado	SCS	1951
11P2P	Ft. Valley	22	22N	6E	7350	Little Colorado	FS	1947
8S1PSPRT	Frisco Divide	31	6S	20W**	8000	San Francisco	FS	1938
12R4	Gaddes Canyon	11	15N	2E	7600	Verde	SCS	1954
11P1	Grand Canyon	21	30N	4E	7500	Hance Creek	NPS	1947
9S11PSPRT	Hannagan Meadows	19	3N	29E	9090	San Francisco	FS	1964
11R5P	Happy Jack	30	16N	9E	7630	Verde	FS	1951
9R10PSPRT	Hawley Lake	13	7N	24E	8300	Salt	BIA	1966
10R4PSPRT	Heber	28	11N	15E	7600	Little Colorado	SCS	1950
8S9A	Hummingbird	19	11S	17W**	10550	Gila	SCS	1964
11P9P	Inner Basin #1	28	23N	7E	10000	Little Colorado	SCS-CF*	1967
11P8P	Inner Basin #2	28	23N	7E	9750	Little Colorado	SCS	1967
12R2	Iron Springs	22	14N	3W	6200	Little Colorado	SCS	1946
11P12	Lake Mary	21	19N	9E	6930	Little Colorado	SCS	1975
7S3PSPRT	Lookout Mountain	1	10S	10W	8500	Gila	SCS	1978
9S2APSPRT	Maverick Fork	13	6N	27E	9150	Salt	SCS	1950
7T3A	McKnight Cabin	10	15S	10W**	9300	Mimbres	SCS	1967
9R2PSPRT	McNary	23	8N	23E	7200	Salt	BIA	1939
9R1	Milk Ranch	33	8N	23E	7000	Salt	BIA	1941
12R3	Mingus Mountain	3	15N	2E	7100	Verde	SCS	1947
8S2	Mogollon	2	11S	19W**	7000	San Francisco	SCS	1953
11R4	Mormon Lake	13	18N	8E	7350	Little Colorado	SCS	1947
11R3APSPRT	Mormon Mountain	14	18N	8E	7500	Verde	SCS	1950
11R11	Mormon Mountain Summit #2	2	18N	8E	8470	Little Colorado	SCS	1975
9S12A	Mt. Ord	4	6N	26E	11200	Salt	SRP-SCS	1966
11P5	Newman Park	25	19N	6E	6750	Verde	SCS	1963
9S4	Nutriso	23	6N	30E	8500	San Francisco	FS	1938
11R10PSPRT	Promontory Butte	5	11N	13E	7930	Little Colorado	SCS	1973
8S7	Redstone Trail	5	11S	18W**	8600	San Francisco	SCS	1961
10T2	Rose Canyon	15	12S	16E	7300	Gila	FS	1948
8T1PSPRT	Signal Peak	13	16S	13W	8360	Gila	SCS	1977
8S8PSPRT	Silver Creek Divide	4	11S	18W**	9000	San Francisco	SCS	1964
9S14A	Smith Cienega	10	6N	26E	10050	Salt	SRP-SCS	1966
11P4	Snow Bowl #1	36	23N	6E	10260	Verde	FS	1961
11P6	Snow Bowl #2	31	23N	7E	11000	Verde	FS	1965
9S8	State Line	6	6S	21W**	8000	San Francisco	FS	1938
9S17	Sunrise Summit	36	7N	26E	10600	Salt	SCS	1972
11R8PSPRT	Sugarloaf	8	8E	14N	6120	Verde	SCS	1978
12P2PSPRT	White Horse Lake Jct.	2	20N	2E	7180	Verde	FS	1967
12R5	White Spar	19	13N	2W	6000	Verde	SCS	1963
8S10A	Whitewater	19	11S	17W**	10750	Gila	SCS	1964
12P3	Williams Ski Run	9	21N	2E	7720	Cataract	FS	1967
9R6P	Wilson Lake	4	7N	26E	9000	Salt	SCS	1966
10S1PSPRT	Workman Creek	33	6N	14E	6900	Salt	FS	1952

A Aerial Snow Depth Marker
P Precipitation Storage Gage
R Radio Telemetry (SNOTEL)

SP Snow Pressure Pillow
T Temperature
** NM Principal Meridian
* City of Flagstaff

The Following Organizations Cooperate in the Arizona Snow Survey Work

FEDERAL

Department of Agriculture
Soil Conservation Service
Forest Service
 Apache-Sitgreaves Forest
 Coconino Forest
 Coronado Forest
 Gila Forest
 Kaibab Forest
 Prescott Forest
 Rocky Mountain Forest and Range
 Experiment Station
 Tonto Forest
Department of Commerce
 NOAA, National Weather Service
Department of Interior
 Bureau of Reclamation
 Region III
 Geological Survey
 Arizona District
 New Mexico District
 Bureau of Indian Affairs
 Fort Apache Reservation
 San Carlos Irrigation Project
 National Park Service
 Grand Canyon National Park
Gila Water Commissioner
 Safford, Arizona

STATE

Arizona Game and Fish Department

Arizona State Parks Board

Arizona Department of Water Resources

University of Arizona
 Arizona Agricultural Experiment Station
 Water Resource Research Center
 Department of Watershed Management

MUNICIPAL

City of Flagstaff

IRRIGATION PROJECTS

Salt River Valley Water User's Association
 Phoenix, Arizona
San Carlos Irrigation and Drainage District
 Coolidge, Arizona
Maricopa County Municipal Water Conservation District
 Peoria, Arizona

PRIVATE

Southwest Forest Industries, Inc.
 Phoenix, Arizona
Fort Apache Indian Reservation
 White Mountain Recreation Enterprises

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*"The Conservation of Water begins
with the Snow Survey"*